

BELZONA REFURBISHES EIGHTY YEAR OLD TURBINE RUNNER

CUSTOMER

Hydro-electric plant, Arkansas

APPLICATION DATE

2008

APPLICATION SITUATION

Severely eroded Francis turbine runner.

PROBLEM

Years of use had caused severe corrosion and cavitation erosion on the turbine. Customer had received bids for new replacement but chose Belzona on economic grounds.

PRODUCTS

Belzona® 1121 (Super XL Metal)

Belzona® 1341 (Supermetalglide)

SUBSTRATE

Cast Steel

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-3 & CEP-5. Corroded surfaces were rebuilt and smoothed with Belzona® 1121 before coating with Belzona® 1341 for long term protection.

BELZONA FACTS

Belzona method saved the customer in excess of \$150,000 and restored turbine to its original efficiency.

PICTURES

1. Turbine before initial blast cleaning
2. Some of the cavitation damage
3. Project after Belzona® 1121 application
4. Completed project



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



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